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ONTARIO

DEPARTMENT OF EDUCATION

MEMORANDUM

RE

Advanced Technical Evening Classes

A programme of Evening Courses of Study on the post-secondary school level designed to enable persons employed in industry to prepare themselves for advancement

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Issued by Authority of the

Minister of Education.

ADVANCED TECHNICAL CLASSES

(A programme of Evening Courses of Study on the post-secondary school level designed to enable persons employed in industry to prepare themselves for advancement)

Industrialists in Ontario have manifested a high regard for the evening-class opportunities which are offered in Great Britain and lead to the Ordinary and Higher National Certificates. The need of similar courses here is generally recognized by employers and employees.

In 1950 the Technical Section of the Ontario Educational Association, through its Research Council, prepared tentative advanced technical evening courses of study for use in Ontario. At almost the same time a group of industrialists in the City of St. Catharines grappled with the same problem. The Secondary Education Branch of the Department of Education undertook to co-ordinate the efforts of these groups and to make available the experience of the Provincial Technical Institutes, which offer both day and evening classes on this level.

Since the Technical Institutes are limited to a few centres of comparatively dense population and concentrated industry, it is recognized that young persons who cannot attend the Institutes should have similar opportunities wherever possible, and that these opportunities are most readily provided in Evening Courses. The problem is to ensure a dependable standard of proficiency, worthy of recognition anywhere in the Province, and at the same time to permit enough flexibility to meet local needs.

The following Advanced Technical Evening Courses of Study have been approved by the Minister of Education:

Obligatory Subjects:	Mathematics I
	Mathematics II
	Mechanics I
	English I
Optional Subjects:	Mathematics III
	Mechanics II
	Applied Heat
	Applied Electricity
	Metallurgy
	Theory of Machines
	Industrial Chemistry
	Strength of Materials
	Technical Drawing

Notes: 1. Suggested courses of study in the foregoing subjects may be obtained on application to the Superintendent of Secondary Education, Department of Education, Parliament Buildings, Toronto.

2. Other optional courses may be submitted by the School Board concerned for the approval of the Minister.

3. The following credits have been approved and may be presented in lieu of the subjects indicated:

   Grade XIII Algebra, and Trigonometry and Statics for Mathematics I,

   Grade XIII Algebra, Trigonometry and Statics, and Geometry for Mathematics II,

   Grade XIII Physics, and Trigonometry and Statics for Mechanics I,

   Grade XII Vocational Electricity for Applied Electricity,

   Grade XII Vocational Drafting for Technical Drawing.

4. The course in each subject shall extend over at least fifty hours.

5. Regular tests and examinations shall be included in the course in each subject. The passing grade shall be 50%. Copies of the final examination papers, and the candidates' answer papers to these, shall be kept for a period of one year, and shall be subject to review by the secondary school inspector.

6. Instructors in the Advanced Technical Evening Course of Study shall be drawn from the staffs of the local schools and from industry. Instructors selected from industry shall hold degrees in Engineering or comparable qualifications.

The requirement for admission to the Advanced Technical Evening Course shall be the Secondary School Graduation Diploma (Grade XII), or its equivalent as determined by the Principal.

On the recommendation of the Principal, a certificate may be awarded the candidate who completes successfully the course in the four obligatory subjects and in five of the approved optional subjects.

An Advanced Technical Evening Course of Study may be conducted by a Board of Education or High School Board, provided that (a) a request for such a course is made to the Advisory Vocational Committee of the

Board by a local industrial firm or a group of such firms; (b) the Advisory Vocational Committee, after a survey of local conditions, recommends the establishment of such a course; and (c) the Minister of Education has approved the content of the proposed course and the qualifications of the proposed staff.

The usual grants for evening courses will be available where a Board establishes an Advanced Technical Evening Course of Study.
December, 1954.